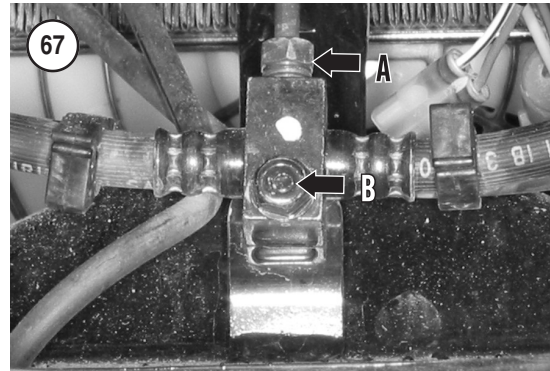


- b. Align the dust seal with the mounting bore so its closed side (A, **Figure 59**) faces out.
- c. Tap the dust seal into place until it seats against the snap ring.

FRONT BRAKE HOSE REPLACEMENT

The upper brake hose can be replaced separately from the lower brake hoses. The lower brake hoses



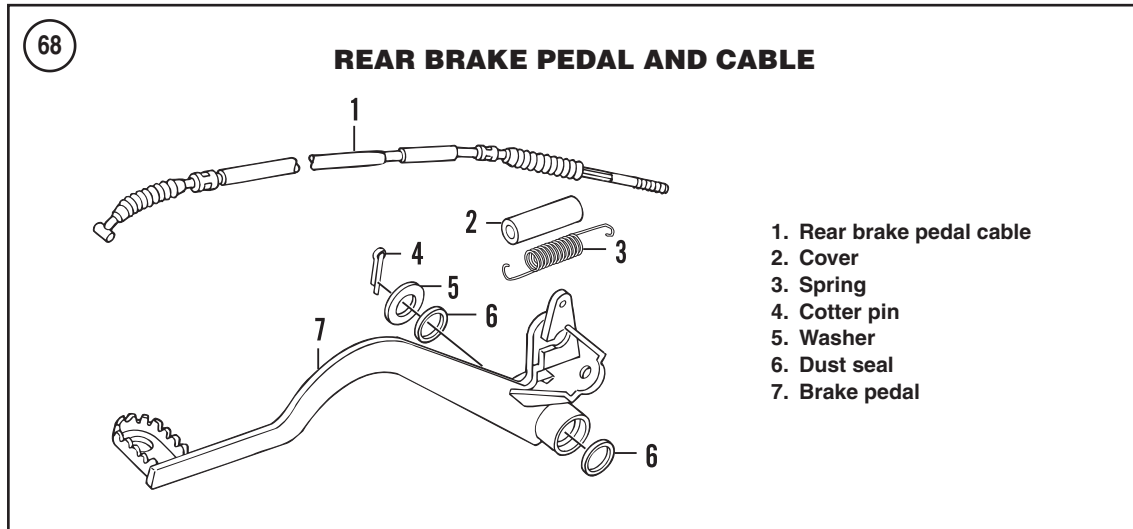
must be replaced as an assembly with the three-way joint (**Figure 63**).

1. Remove the front fender (Chapter Fifteen).
2. Remove both front wheels (Chapter Ten).
3. Note the path and attachment points for the brake hoses. Note that the clamps secure both the brake hoses and the breather hoses (**Figure 64**, typical).
4. Drain the front brake fluid as described in this chapter. Because air has entered the brake lines, not all of the brake fluid will drain out.

NOTE

Because some residual brake fluid will remain in the lines, be careful when disconnecting and removing the brake hoses in the following steps.

5. To remove the upper brake hose, remove the banjo bolt and sealing washers from the brake master cylinder (**Figure 65**). Unscrew the lower end of the brake hose from the brake tube and remove the brake hose.
6. Remove the lower brake hose assembly as follows:
 - a. Remove the banjo bolt and sealing washers (**Figure 66**) at the back of a wheel cylinder. Hold the open hose end in a container to catch any residual brake fluid. Repeat for the other side.
 - b. Unscrew the lower end of the brake tube from the three-way fitting (A, **Figure 67**)
 - c. Remove the bolt securing the three-way fitting to the frame (B, **Figure 67**).
 - d. Remove the lower brake hose assembly.
7. Install new brake hose(s) in the reverse order of removal. Install new sealing washers.
8. Tighten the banjo bolts to 34 N•m (25 ft.-lb.).



9. Refill the master cylinder with fresh brake fluid clearly marked DOT 4. Bleed both front brakes as described in this chapter.

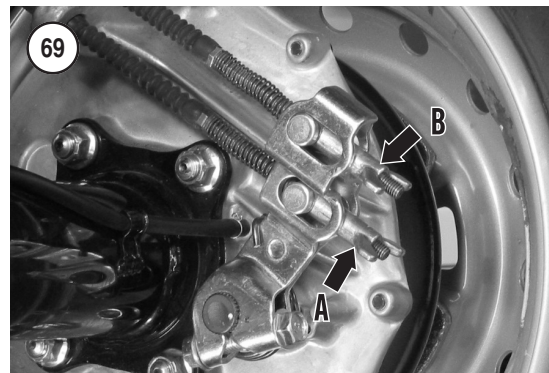
WARNING

Do not ride the vehicle before making sure the brakes operate properly.

REAR BRAKE PEDAL AND CABLE

This section describes service to the rear brake pedal and cable (**Figure 68**). To service the rear brake lever/parking brake cable, refer to *Rear Brake Lever/Parking Brake Cable* in this chapter.

1. Loosen and remove the rear brake pedal cable adjusting nut (A, **Figure 69**), collar and spring from the brake arm.
2. Disconnect the brake cable from the bracket on the brake panel.
3. Disconnect the brake return spring (A, **Figure 70**) from the brake pedal assembly.
4. Remove the cotter pin and washer (B, **Figure 70**), and remove the brake pedal assembly (C).
5. Disconnect the brake cable from the brake pedal.
6. When replacing the rear brake pedal cable, perform the following:
 - a. Remove the rear brake cable from the frame, noting any cable guides or brackets.
 - b. Lubricate the new brake cable as described in Chapter Three.
 - c. Route the new rear brake pedal cable along the frame and through any cable guides or brackets.



7. Remove all old grease from the brake pedal pivot shaft.
8. Check the brake pedal dust seals and replace them if they are excessively worn or damaged.
9. Pack the dust seal lips with grease.
10. Apply grease to the brake pedal pivot shaft and brake cable end (brake pedal side).
11. Reconnect the brake cable to the brake pedal, then install the brake pedal (C, **Figure 70**) onto its pivot shaft.
12. Install the washer and secure it with a new cotter pin (B, **Figure 70**). Bend the cotter pin ends over to lock it in place. Operate the brake pedal by hand, making sure it moves without any binding or roughness.
13. Reconnect the brake return spring (A, **Figure 70**) to the brake pedal.
14. Reconnect the rear brake pedal to the brake panel. Install the spring, collar and adjusting nut (A, **Figure 69**).

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